Abstract

The invention relates to a magnetic sensor utilizing a magnetoresistance effect, a method for driving a magnetic sensor utilizing a magnetoresistance effect and a magnetic recording system, and an object of the invention is to overcome the restriction in the level of sensitivity due to the upper limit of the sensing current that can be made to flow. A magneto resistive element 4 is connected to a portion of a feedback loop of a transistor 2 and an LC circuit 3 in an oscillating circuit 1 formed of transistor 2 and LC circuit 3, which is provided with a switching means 5 so that the reading rate of magnetic data is regulated by the switching frequency of switching means 5.